

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

## Title of Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED  
HYDROCARBONS

Application Number: 09/841129

\*09/841129\*

Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Examiner: unknown unknown

Search string: ( 3986556 or 4031956 or 4140180 or 4412585 or 4501326 or  
4524827 or 4585066 or 4776638 or 4856587 or 5517593 or  
5099918 or 5751895 or 6015015 or 6112808 ).pn.

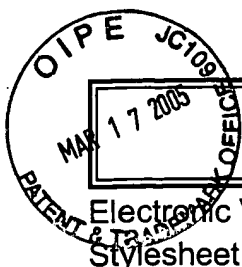
## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3986556	1976-10-19	Haynes			
	2	4031956	1977-06-28	Terry			
	3	4140180	1979-02-20	Bridges et al.			
	4	4412585	1983-11-01	Bouck			
	5	4501326	1985-02-26	Edmunds			
	6	4524827	1985-06-25	Bridges et al.			
	7	4585066	1986-04-29	Moore et al.			
	8	4776638	1988-10-11	Hahn			
	9	4856587	1989-08-15	Nielson			
	10	5517593	1996-05-14	Nenniger et al.			
	11	5099918	1992-03-31	Bridges et al.			
	12	5751895	1998-05-12	Bridges			
	13	6015015	2000-01-18	Luft et al.			
	14	6112808	2000-09-05	Isted			

Signature

Examiner Name	Date



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841129

\*09/841129\*

EFS ID: 41326

Server Response:

Confirmation Code	Message
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ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2003-06-02 18:48:32 EDT

From: us

File Listing:

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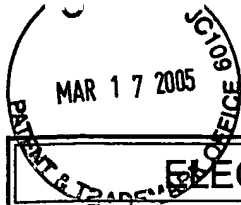
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Digital Certificate Holder cn=Eric B. Meyertons,ou=Registered

Name: Attorneys,ou=Patent and Trademark

Office,ou=Department of Commerce,o=U.S.

Government,c=US



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED  
HYDROCARBONS

Application Number: 09/841129 \*09/841129\*  
Confirmation Number: 5749  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06800  
Art Unit: 1764  
Examiner: Marian C. Knode  
Search string: ( 3285335 or 3456721 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3285335	1966-11-15	Reistle			
	2	3456721	1969-07-22	Smith			

Signature

Examiner Name

Date



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ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841129

\*09/841129\*

EFS ID: 42313

Server Response:

Confirmation Code	Message
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ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2003-06-23 18:55:57 EDT

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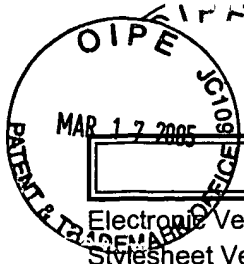
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Digital Certificate Holder  
Name:

cn=Eric B. Meyertons,ou=Registered  
Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S.



## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
StyleSheet Version v18.0

### Title of Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A  
MIXTURE WITH OXYGENATED HYDROCARBONS

Application Number: 09/841129 \*09/841129\*  
Confirmation Number: 5749  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06800  
Art Unit: 1764  
Examiner: Glenn A. Caldarola  
Search string: ( 3947656 ).pn.

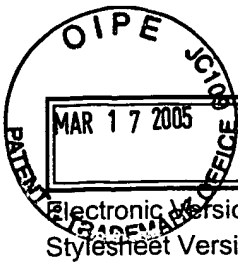
### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3947656	1976-03-30	Lodi			

### Signature

Examiner Name	Date



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1  
Stylesheet Version v1.1.1

Title of Invention

Title IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A MIXTURE OF OLEFINS, OXYGENATED HYDROCARBONS, AND AROMATIC HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841298

\*09/841298\*

EFS ID: 47344

Server Response:

Confirmation Code	Message
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First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2003-09-08 17:21:31 EDT

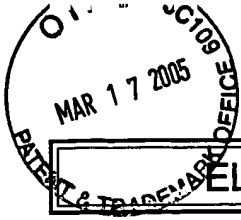
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Digital Certificate Holder Name: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED  
HYDROCARBONS

Application Number: 09/841129

\*09/841129\*

Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Art Unit: 1764

Examiner: Thuan D. Dang

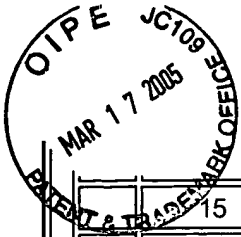
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4734115 or 3170842 or 3618663 or 4018280 or 4698149 or  
5539853 or 3691291 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3032102	1962-05-01	Parker			
	2	3079085	1991-01-08	Clark, Jr. et al.			
	3	3454365	1969-07-08	Lumpkin et al.			
	4	4260018	1981-04-07	Shum et al.			
	5	4683947	1987-08-04	Fernbacher et al.			
	6	5055180	1991-10-08	Klaila			
	7	5626191	1997-05-06	Greaves et al.			
	8	6353706	2002-03-05	Bridges			
	9	6467543	2002-10-22	Talwani et al.			
	10	6499536	2002-12-31	Ellingsen			
	11	4734115	1998-03-29	Howard et al.			
	12	3170842	1965-02-23	Kehler			
	13	3618663	1971-11-09	Needham			
	14	4018280	1977-04-19	Daviduk et al.			

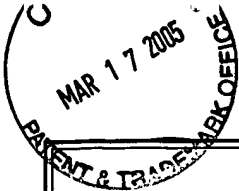




	15	4698149	1987-10-06	Mitchell
	16	5539853	1996-07-23	Jamaluddin et al.
	17	3691291	1972-09-12	Taj

Signature

Examiner Name	Date



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841129

\*09/841129\*

EFS ID: 68655

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5749
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2004-09-16 17:08:45 EDT

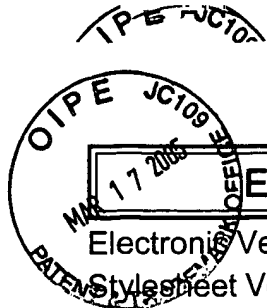
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package-data	package-data.dtd	27025
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Total files size		71308

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Digital Certificate Holder Name: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S.



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Worksheet Version v18.0

## Title of Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED  
HYDROCARBONS

Application Number: 09/841129

\*09/841129\*

Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Art Unit: 1764

Examiner: T. D. Dang

Search string: ( 3948755 or 4605489 or 4623444 or 4885080 or 5059303 or  
6110358 or 20020004533 or 20020112987 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3948755	1976-04-06	McCollum et al.			
	2	4605489	1986-08-12	Madgavkar			
	3	4623444	1986-11-18	Che et al.			
	4	4885080	1989-12-05	Brown et al.			
	5	5059303	1991-10-22	Taylor et al.			
	6	6110358	2000-08-29	Aldous et al.			

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020004533	2002-01-10	Wallace et al.			
	2	20020112987	2002-08-22	Hou et al.			

Signature

Examiner Name	Date





UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841129

\*09/841129\*

EFS ID: 69371

Server Response:

Confirmation Code	Message
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ICON1	5749
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2004-09-28 12:24:23 EDT

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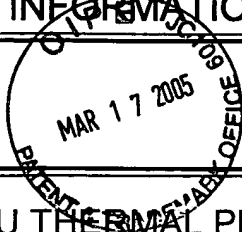
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Digital Certificate Holder Name: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S.

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0



## Title of Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED  
HYDROCARBONS

Application Number: 09/841129 \*09/841129\*  
Confirmation Number: 5749  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06800  
Art Unit: 1764  
Examiner: J. D. Johnson  
Search string: ( 3017168 or 3434541 or 4598772 or 5456315 or 6789625 or  
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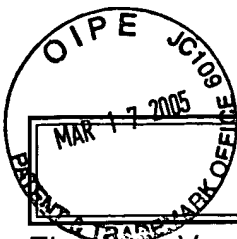
## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3017168	1962-01-16	Carr			
	2	3434541	1969-03-25	Cook et al.			
	3	4598772	1986-07-08	Holmes			
	4	5456315	1995-10-10	Kisman et al.			
	5	6789625	2004-09-14	de Rouffignac et al.			
	6	6782947	2004-08-31	de Rouffignac et al.			

## Signature

Examiner Name	Date



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of  
Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Submission Type: Information Disclosure Statement

Application Number: 09/841129

\*09/841129\*

EFS ID: 71589

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5749
USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2004-11-01 11:43:50 EDT

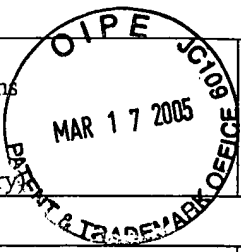
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Digital Certificate Holder Name: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S.



ATTY. DKT. NO. 5659-06800/1993

SERIAL NO. 09/841,129

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

U.S. PATENT DOCUMENTS

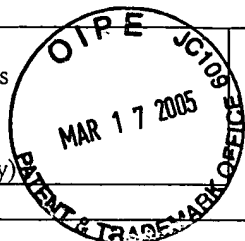
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	A1	760,304	05/1904	Butler			
	A2	1,342,741	06/1920	Day			
	A3	1,510,655	10/1924	Clark			
	A4	1,666,488	02/1927	Crawshaw			
	A5	1,913,395	11/1929	Karrick			
	A6	2,423,674	07/1947	Agren			
	A7	2,444,755	07/1948	Steffen			
	A8	2,466,945	02/1946	Greene			
	A9	2,472,445	06/1949	Sprong			
	A10	2,484,063	10/1949	Ackley			
	A11	2,497,868	02/1950	Dalin			
	A12	2,548,360	04/1951	Germain			
	A13	2,593,477	04/1952	Newman et al.			
	A14	2,595,979	05/1952	Pevere et al.			
	A15	2,630,306	01/1952	Evans			
	A16	2,634,961	04/1953	Ljungstrom			
	A17	2,642,943	06/1953	Smith et al.			
	A18	2,670,802	03/1954	Ackley			
	A19	2,695,163	11/1954	Pearce et al.			
	A20	2,732,195	01-24-56	Ljungstrom			
	A21	2,734,579	02-14-56	Elkins			
	A22	2,780,449	02-05-57	Fisher et al.			
	A23	2,777,679	01/1957	Ljungstrom			
	A24	2,780,450	02/1957	Ljungstrom			
	A25	2,786,660	03/1957	Alleman			
	A26	2,789,805	04/1957	Ljungstrom			
	A27	2,804,149	08/1957	Kile			
	A28	2,841,375	07/1958	Salomonsson			
	A29	2,902,270	09/1959	Salomonsson et al.			
	A30	2,906,337	09/1959	Henning			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent own





ATTY. DKT. NO. 5659-06800/T\*\*\*993

SERIAL NO. 09/841,129

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

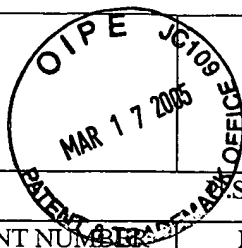
U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A31	2,914,309	11/1959	Salomonsson			
	A32	2,923,535	02/1960	Ljungstrom			
	A33	2,939,689	06/1960	Ljungstrom			
	A34	2,954,826	10/1960	Sievers			
	A35	2,974,937	03/1961	Kiel			
	A36	2,994,376	08/1961	Crawford et al.			
	A37	2,998,457	08/1961	Paulsen			
	A38	3,004,603	10/1961	Rogers et al.			
	A39	3,007,521	11/1961	Trantham et al.			
	A40	3,095,031	06/1963	Eurenius et al.			
	A41	3,105,545	10/1963	Prats et al.			
	A42	3,106,244	10/1963	Parker			
	A43	3,110,345	11/1963	Reed et al.			
	A44	3,113,623	12/1963	Krueger			
	A45	3,114,417	12/1963	McCarthy			
	A46	3,131,763	05/1964	Kunetka et al.			
	A47	3,139,928	07/1964	Broussard			
	A48	3,142,336	07/1964	Doscher			
	A49	3,149,672	10/1964	Orkiszewski et al.			
	A50	3,163,745	12/1964	Boston			
	A51	3,164,207	01/1965	Thessen et al.			
	A52	3,182,721	05/1965	Hardy			
	A53	3,183,675	05/1965	Schroeder			
	A54	3,191,679	06/1965	Miller			
	A55	3,205,946	10/1965	Prats et al.			
	A56	3,207,220	10/1965	Williams			
	A57	3,208,531	10/1965	Tamplen			
	A58	3,209,825	10/1965	Alexander et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent own



ATTY. DKT. NO. 5659-06800/T'1993

SERIAL NO. 09/841,129

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

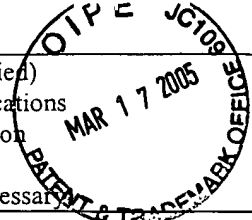
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	A60	3,241,611	03/1966	Dougan			
	A61	3,250,327	05/1966	Crider			
	A62	3,267,680	08/1966	Schlumberger			
	A63	3,284,281	11/1966	Thomas			
	A64	3,338,306	08/1967	Cook			
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	A66	3,595,082	07/1971	Miller et al.			
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	A68	3,992,148	11/1975	Child			
	A69	3,993,132	11/1977	Garrett			
	A70	4,016,239	04/1977	Fenton			
	A71	4,076,761	02/1978	Chang et al.			
	A72	4,089,372	05/1978	Terry			
	A73	4,093,026	06/1978	Ridley			
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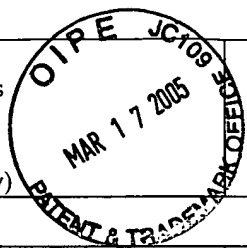
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	A89	4,381,641	05/1983	Madgavkar et al.			
	A90	4,398,151	08/1983	Vinegar et al.			
	A91	4,407,973	10/1983	van Dijk et al.			
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	A94	4,501,445	02/1985	Gregoli			
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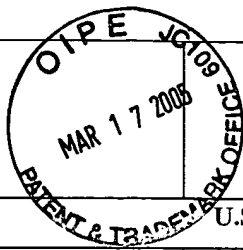
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	A119	4,762,425	08/1988	Shakkottai et al.			
	A120	4,769,602	09/1988	Vinegar et al.			
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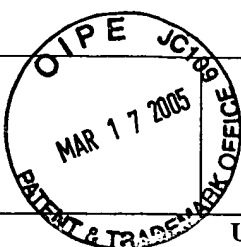
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	A149	5,236,039	08/1993	Edelstein et al.			
	A150	5,255,742	10/1993	Mikus			
	A151	5,297,626	03/1994	Vinegar et al.			
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	A155	5,340,467	08/1994	Gregoli et al.			
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	A157	5,388,640	02/1995	Puri et al.			
	A158	5,388,641	02/1995	Yee et al.			
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	A179	5,624,188	04/1997	West			
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	A181	5,676,212	10/1997	Kuckes			
	A182	5,862,858	01/1999	Wellington et al.			
	A183	5,899,269	05/1999	Wellington et al.			
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	A185	5,984,010	11/1999	Elias et al.			
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	A187	5,997,214	12/1999	de Rouffignac et al.			
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	A194	6,085,512	07/2000	Agee et al.			
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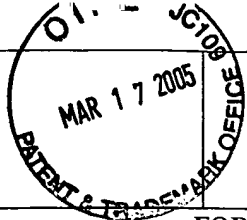
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EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLAT ON YES/NO
	A204	121,737	03/1948	Sweden			
	A205	123,136	11/1948	Sweden			

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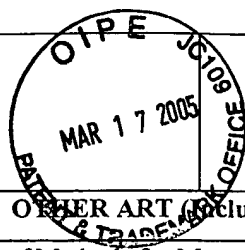
Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5659-06800/ 1993  APPLICANT: Wellington, et al.  FILING DATE: April 24, 2001	SERIAL NO. 09/841,129  GROUP: 3672
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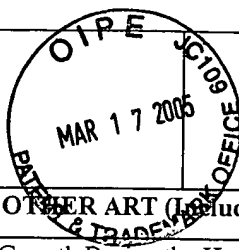
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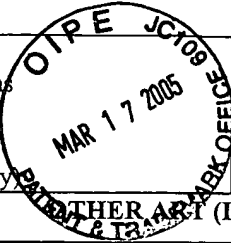
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A304	Reaction Kinetics Between CO <sub>2</sub> and Oil Shale Residual Carbon. I. Effect of Heating Rate on Reactivity, Alan K. Burnham, July 11, 1978 (11 pages front and back).
A305	High-Pressure Pyrolysis of Colorado Oil Shale, Alan K. Burnham & Mary F. Singleton, October 1982 (23 pages).
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A307	Enthalpy Relations For Eastern Oil Shale, David W. Camp, November 1987 (13 pages).
A308	Oil Shale Retorting: Part 3 A Correlation of Shale Oil 1-Alkene/ <i>n</i> -Alkane Ratios With Yield, Coburn et al., August 1, 1977 (18 pages).
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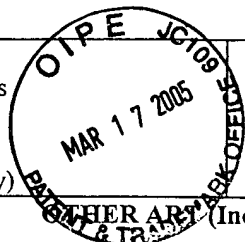
<b>Form PTO-1449 (modified)</b> List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATTY. DKT. NO. 5659-06800/ 1993  APPLICANT: Wellington, et al.  FILING DATE: April 24, 2001	SERIAL NO. 09/841,129  GROUP: 3672
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	A311	Thermal Degradation of Green River Kerogen at 150° to 350° C Rate of Production Formation, J.J. Cummins & W.E. Robinson, 1972 (18 pages).
	A312	Retorting of Green River Oil Shale Under High-Pressure Hydrogen Atmospheres, LaRue et al., June 1977 (38 pages).
	A313	Retorting and Combustion Processes In Surface Oil-Shale Retorts, A.E. Lewis & R.L. Braun, May 2, 1980 (12 pages)
	A314	Oil Shale Retorting Processes: A Technical Overview, Lewis et al., March 1984 (18 pages).
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	A332	SO <sub>2</sub> Emissions from the Oxidation of Retorted Oil Shale, Taylor et al., November 1981 (9 pages).
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	A334	Coproduction of Oil and Electric Power from Colorado Oil Shale, P. Henrik Wallman, September 24, 1991 (20 pages)
	A335	<sup>13</sup> C NMR Studies of Shale Oil, Raymond L. Ward & Alan K. Burnham, August 1982 (22 pages).
	A336	Identification by <sup>13</sup> C NMR of Carbon Types in Shale Oil and their Relationship to Pyrolysis Conditions, Raymond L. Ward & Alan K. Burnham, September 1983 (27 pages).
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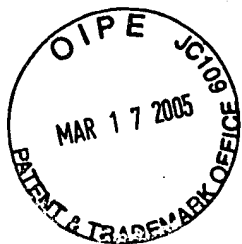
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A338	Quantitative Analysis and Evolution of Sulfur-Containing Gases from Oil Shale Pyrolysis by Triple Quadrupole Mass Spectrometry, Wong et al., November 1983 (34 pages).
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A340	Application of Self-Adaptive Detector System on a Triple Quadrupole MS/MS to High Explosives and Sulfur-Containing Pyrolysis Gases from Oil Shale, Carla M. Wong & Richard W. Crawford, October 1983 (17 pages).
A341	An Evaluation of Triple Quadrupole MS/MS for On-Line Gas Analyses of Trace Sulfur Compounds from Oil Shale Processing, Wong et al., January 1985 (30 pages).
A342	Source and Kinetics of Sulfur Species in Oil Shale Pyrolysis Gas by Triple Quadrupole Mass Spectrometry, Wong et al., October 1983 (14 pages).
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A344	Results of the Centralia Underground Coal Gasification Field Test, Hill et al., August 1984 (18 pages).
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A346	Assessment of the CRIP Process for Underground Coal Gasification: The Rocky Mountain I Test, Cena et al., August 1988 (22 pages).
A347	Mild Coal Gasification-Product Separation, Pilot-Unit Support, Twin Screw Heat Transfer, and H <sub>2</sub> S Evolution, Camp et al., August 9, 1991 (12 pages).
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Inventor(s): Wellington, et al.

Serial No.: 09/841,129

Filing Date: April 24, 2001

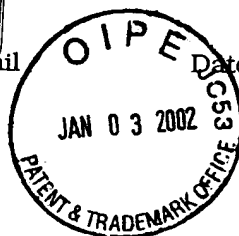
Title: IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Atty. Docket No.: 5659-06800

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